

Amendments to the Specification:

Please replace the paragraph beginning at page 17, line 21, with the following rewritten paragraph:

-- These may be used in place of or in combination with the systems discussed above. FIG 32 is a perspective view of a magnetically damped inclinometer 60 using an electromagnet 62. A rotatable shaft 64 extends from the housing of the encoder or potentiometer 9. In the systems shown, the inclinometer 60 is connected with the object or load being moved, for example connected with one of the spreader bars. However, the inclinometer 60 may be attached to the object or load at any convenient location. A pendulum 66 is fixedly attached to the shaft 64. To maximize the accuracy of the measurements and the dampening control, a rigid or generally rigid material is used to form the pendulum 66. Any motion of the pendulum 66 causes a corresponding rotation of the shaft 64, as indicated by the rotational arrows. Also attached to the shaft 64 is an index member 68 formed of a ferrous or ferromagnetic material. The index member 68 may be located anywhere along the shaft 64 including, as shown, at or near the end of the shaft 64. An electromagnet 62 is attached to the object or load and is located such that when the pendulum 66 is in its initial, at-rest position, the index member 68 and the electromagnet 62 are close together. As the object or load is moved, the pendulum 66 will sway, causing the shaft to rotate 64 and moving the index member 68 and the electromagnet 62 apart, thereby increasing the air gap. As the pendulum 66 swings back, the index member swings past the electromagnet. The force of the electromagnet 62 pulls on the index member 68, thereby decreasing the extent of the next swing. Since the force from the electromagnet 62 decreases as the air gap increases, the extent of the swing is not significantly reduced, but any excess motion is reduced. This damping action takes place each time ~~the pendulum 66 passes the index member 68~~ passes the electromagnet 62.--